## (19) World Intellectual Property Organization International Bureau





## (43) International Publication Date 25 September 2003 (25.09.2003)

PCT

## (10) International Publication Number WO 03/078521 A1

- (51) International Patent Classification7: C08K 5/00, 5/10. C08L 29/14, B32B 17/10, C08F 8/28, C08J 5/18
- (21) International Application Number: PCT/US03/07352
- (22) International Filing Date: 11 March 2003 (11.03.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/363,936

12 March 2002 (12.03.2002)

- (71) Applicant (for all designated States except US): E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WONG, Bert, C. [US/US]; 212 Hawkes Court, Hockessin, DE 19707 (US). RYMER, Donald, L. [US/US]; 4233 School House Road, Little Hocking, OH 45742 (US). READ, Nolan, K., III [US/US]; 2 Chadwick Square, Vienna, WV 26105 (US).
- (74) Agent: DOBSON, Kevin, S.; E.I. DUPONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER, 4417 Lancaster Pike, Wilmington, DE 19805 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LOW-COLOR STIFF PVB LAMINATES

(57) Abstract: The present invention describes laminate articles comprising a stiff, low-color PVB sheet having a YID of less than 12 and having a low concentration of plasticizer in the PVB composition, wherein the sheet is prepared from a composition that includes a PVB bleaching compound. A sheet of the present invention is useful for making glass laminates useful for parts in making cars, boats, trains, buildings, display cases, and other articles that utilize transparent glass laminates.